

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 8, line 36, as follows:

In operation the apparatus is located on the outside of the pipe under test 22, as shown in figures 1 and 2, such that all four wheels make contact with the surface of the pipe. Wheels 8 and 19 together form a tripod arrangement and wheel 12 moves upwards against the bias force of the spring 16. The attractive force of the magnets 21 ~~serve~~serves to hold the apparatus firmly in place against the pipe 22, despite the force of spring 16.

Please amend the paragraph beginning at page 9, line 26, as follows:

By comparing the output voltage with the corresponding position of the apparatus, the pipe may be mapped. This may be automated if, as in a modified embodiment (not illustrated), a device is provided to count the revolutions of wheel 8. This device takes the form of a reed switch that may be closed by a small magnet on wheel 8 as the wheel reaches its uppermost position. By using the reed switch to interrupt a circuit, a pulse is provided for every rotation of ~~wheel 18~~wheel 8. A pulse counter then provides a measure of the distance ~~travelled~~traveled. The output from the potentiometer and from the counter is then fed to a computer where a plot of voltage (~~i.e.~~i.e., profile) versus pulses (~~i.e.~~i.e., distance along pipe) may be produced. This may, of course be calibrated to give readings in millimetres and metres respectively.